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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/033,474	12/26/2001	Jorell A. Olson	IFC 302	8341

23581 7590 09/25/2003

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EXAMINER

KOVAL, MELISSA J

ART UNIT	PAPER NUMBER
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2851

DATE MAILED: 09/25/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/033,474

Applicant(s)

OLSON ET AL.

Examiner

Melissa J Koval

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_ 6) ☐ Other: \_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Strandwitz et al.

Refer to Figures 2, 4, 6 and 7.

Claim 1 sets forth: "1. An image-rendering device for an image projector, the device comprising:

a body comprising:

an image receiver (encoding/decoding modules 200, 210 and 220) adapted to alternatively receive a first interchangeable data transfer device and a second interchangeable data transfer device, wherein each interchangeable data transfer device is adapted to enable transfer of an image to the image-rendering device (network gateway 170 of Figure 2 and the wireless multimedia gateway shown in Figure 4, for example);

a projector connector adapted to operably couple the image rendering device to the image projector (video monitor 140);

and a processor (processor 110) configured to automatically transmit the image from the image receiver to the image projector for display (video compression circuitry 211 and decompression circuitry 212 to video monitor 140) .”

Refer to column 6, lines 38 through 47. Strandwitz et al. do not specifically describe the components comprising network gateway 170. However Strandwitz et al. do teach that the elements comprising network 170 will depend on the application of the device. Furthermore, Strandwitz et al. show examples of multi-media gateways in Figures 4, 6 and 7. Therefore, based on these teachings, it would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute any of the multi-media gateways of Figures 4, 6, or 7 for the network gateway 170 of Figure 2. Thus the portion of claim 1 referring to “a first interchangeable data transfer device and a second interchangeable data transfer device, wherein each interchangeable data transfer device is adapted to enable transfer of an image to the image-rendering device” is met. The motivation for one having ordinary skill in the art to make said substitution would be to achieve a system comprising a variety of devices such as the wireless devices of Figures 4 and 6 or the LAN devices of Figure 7. Refer to column 6, lines 48 through 59, and column 10, lines 22 through 34, respectively.

With respect to the “projector connector” of claim 1 and the “attachment slot” of claim 2, or the “video plug” of claim 13, the elements shown in any of Figures 2, 4, 6 and 7 are clearly connected by means of hardware devices. It is not clear from the claim language as set forth in either claims 1 or 2 how the presence of a “projector connector”

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or an "attachment slot" or a "video plug", respectively, would patentably distinguish the claimed invention over Strandwitz et al.

With respect to claims 3 through 7, wireless disk drive 402 or wireless monitor 403, for example, would require compatibility and interface devices such as a wireless local area network card, a wired network card, a presentation card, a mass storage device, or a memory card. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide compatibility and interface devices required for the particular wireless system used in order for the device to properly function.

Claims 8 and 9 are rejected for the reasons already applied to rejected claim 1.

With respect to claim 10, refer to camera 130. Digital cameras are well known in the art for replacing video cameras for both professional and consumer use. Therefore it would have been obvious to one having ordinary skill in the art at the time the invention was made to use a digital camera for camera 130 as shown by Strandwitz et al. because digital cameras are less expensive, smaller and are demanded by state of the art requirements. Also refer to the digital camcorder 10 shown in Figure 1.

With respect to claims 11 and 12, again refer to column 6, lines 48 through 59.

Claims 14 through 21 are rejected for the reasons already applied to rejected claims 1 through 13.

With respect to claim 22, refer to column 7, lines 10 through 18, wherein graphics are discussed.

With respect to claim 23 again refer to decompression circuitry 212.

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Claims 24 through 36 are rejected for the same reasons already applied to rejected claims 1 through 13.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Vrachen et al. U.S. Patent Application Publication US 2003/0053033 A1 teaches a projection system for aerial display on three-dimensional video images.

Slobodin et al. U.S. Patent Application Publication US 2002/0196378 A1 teaches a method and apparatus for wireless image transmission to a projector.

Fujiwara U.S. Patent Application Publication US 2001/0003479 A1 teaches a presentation support system and projection system.

Brown U.S. Patent 6,137,794 teaches an audio-visual projector control apparatus allowing selection among multiple input devices.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa J Koval whose telephone number is (703) 308-4801. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russell Adams can be reached on Monday through Thursday at (703) 308-2847. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9318 for regular communications and (703) 872-9319 for after final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

MJK

  
RUSSELL ADAMS  
SUPERVISORY PATENT EXAMINER  
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